

## Rose-Hulman Institute of Technology Rose-Hulman Scholar

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### Commencement Programs

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Spring 5-25-1991

# 1991 Rose-Hulman Institute of Technology : One-Hundred and Thirteenth Commencement

Rose-Hulman

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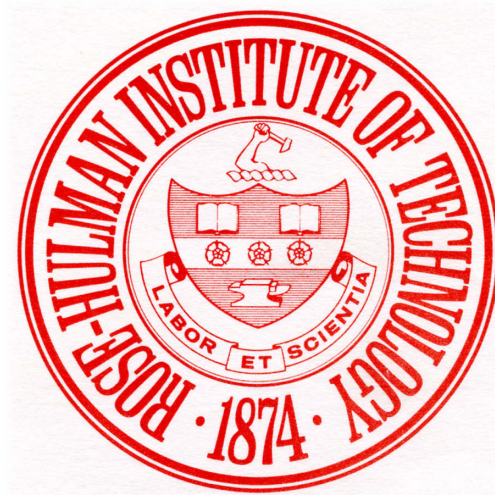
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**One Hundred and Thirteenth  
Commencement  
of  
Rose-Hulman Institute of  
Technology**



**May 25, 1991**

## Commencement Program

Prelude.....	<i>Brass Quartet No. 1 (I&amp;III)</i> by Maurice C. Whitney
Academic Procession .....	Jess R. Lucas, B.S., M.S., Ph.D. <i>Marshal</i>
Processional .....	<i>Prince of Denmark March</i> and <i>Trumpet Tune</i> by Henry Purcell
National Anthem .....	Michael A. Brier, Michael L. Fagg, John A. Huss, Terry D. Nebergall and P. Doug Tougaw
Invocation .....	Shane A. Cox Secretary, Student Government Association
Greeting from the Alumni.....	Thomas T. Dinkel, '72 President, Alumni Association
Response from the Senior Class.....	George J. Shumay President, Senior Class
Introduction of Commencement Speaker.....	Adam M. Griner Vice President, Student Government Association
Commencement Address .....	Samuel F. Hulbert, President, Rose-Hulman Institute of Technology
Interlude .....	<i>Canzona per Sonare No. 4</i> by Giovanni Gabrieli
Awarding of Heminway Medal .....	James R. Eifert, B.S., M.S., Ph.D. <i>Vice President for Academic Affairs</i>
John T. Royse Award .....	Jess R. Lucas <i>Vice President for Student Affairs</i>
Herman A. Moench Distinguished Senior Commendation .....	Robert Steinhauser, B.S., M.S. <i>Herman A. Moench Distinguished Professor</i>
Awarding of Honorary Degrees.....	Samuel F. Hulbert, B.S., Ph.D. <i>President, Rose-Hulman Institute of Technology</i>
Shelton Hannig (Doctor of Engineering) Introduced by Cecil T. Lobo, B.E., M.S., Ph.D.	
C. Oscar Schmidt, Jr. (Doctor of Engineering) Introduced by J. Darrell Gibson, B.S., M.S., Ph.D.	
Recognition of alumni who graduated fifty or more years ago .....	C. Chadd Taylor <i>President, Student Government Association</i>
Presentation of Fifty Year Commemorative Degrees.....	Samuel F. Hulbert
Conferring of Degrees.....	Samuel F. Hulbert
Dean's Outstanding Teacher Award .....	James R. Eifert
Board of Manager's Outstanding Scholar Award .....	B. Guille Cox, Jr. <i>Vice Chairman, Board of Managers</i>
President's Outstanding Service Award.....	Samuel F. Hulbert
School Song .....	Michael A. Brier, Michael L. Fagg, John A. Huss, Terry D. Nebergall and P. Doug Tougaw
Benediction.....	Edward J. Huonder, <i>President, Blue Key</i>
Recessional.....	<i>Nun Danket</i> by Bach/Fox
Postlude .....	<i>Grand Chorus in G Minor</i> by Alexander Guilmant

Organ Music by Alfred R. Schmidt, B.S., M.S. *Professor of Mathematics*  
Brass Choir by Rose Students: Howard S. Fischer, Gregory A. Hevron, Royce A. Wilkinson,  
Antonio M. Zamora, Debra Goecker, Director  
(Allen Digital Organ through courtesy of Samuel Music of Effingham, Illinois)

## Honorary Degrees

Doctor of Engineering

SHELTON M. HANNIG

Retired President and Founder of  
Shelton Hannig, Inc.,  
Construction Consultants, Inc. and Marsh, Inc.  
Terre Haute, Indiana

Shelton Hannig is well-known for his involvement in the construction of many important Wabash Valley buildings and the renovation of several noted historical structures in Terre Haute.

In 1960, the University of Illinois graduate founded Shelton Hannig, Inc., which was the first company of its kind locally to offer a full range of services provided by a staff of construction professionals, engineers and architects. He created Marsh, Inc., eight years later and in 1975 formed Construction Consultants, Inc.

Hannig has contributed to the design or construction of the Vigo County Public Library and the IBM and Valley Bank buildings in downtown Terre Haute. In addition, he was involved in the construction of numerous area manufacturing, corporate and educational facilities as well as several local churches.

An Indiana registered architect, his talents were vital to the restoration of many local landmarks including the Paul Dresser Home, the Vigo County Historical Society building, Allen Chapel and the Markle House.

Hannig has also been actively involved in the growth of Rose-Hulman through his work for the past 12 years as a member of the Rose-Hulman Board of Managers. His interest in the development of our students is illustrated by his sponsorship of an annual award and scholarship that are presented to an outstanding senior civil engineering student and to a Wabash Valley student interested in pursuing an engineering career.

C. OSCAR SCHMIDT, JR.

President and Chairman of the Board  
Cincinnati Butchers' Supply Co.  
Cincinnati, Ohio

C. Oscar Schmidt, Jr. is a successful engineer and business executive who heads a company that is the leading manufacturer of machinery for the meat processing industry. A graduate of the University of Cincinnati and Harvard University with degrees in business and engineering, Schmidt holds 45 patents for his product developments.

Under his leadership, the parent company, Cincinnati Butchers' Supply, has grown to include six subsidiary meat and food equipment manufacturing companies in the United States and Mexico.

The company, which was founded in 1886 by Schmidt's grandfather, is known for its innovation and as a contributor to a host of institutions and charities. In 1953, Schmidt endowed the Oscar C. Schmidt Memorial Lecture at Rose-Hulman in honor of his father. His support makes it possible for a prominent business and industrial leader to visit Rose-Hulman annually to provide students, faculty and staff with insight into the free enterprise system.

Schmidt has provided leadership to the entire food processing industry by serving as a director of the American Association of Industrial Management, the Meat Machinery Manufacturing Institute and the Meat Industry and Supply Equipment Association.

## Fifty-Year Commemorative Degrees

For more than a century, Rose-Hulman alumni have been making positive contributions to society as engineers and scientists. Success has not been limited to their career areas. They serve their local communities through civic organizations, youth activities and churches.

Much of the recognition Rose-Hulman enjoys today is because of our alumni. Rose-Hulman graduates make an impact. Their achievements as engineers, scientists and concerned citizens translate into a reputation of quality for their alma mater.

Today, we recognize the contributions of all alumni by presenting commemorative degrees to those men who have been alumni for 50 years or more. The diplomas they receive today honor their dedication of time and talent to their careers, society and Rose-Hulman.

Ben G. Elliott 1910, ME .....	Madison, Wisconsin
Floyd W. Benson 1923, ME .....	Green Valley, Arizona
Russell W. Staggs 1927, EE .....	Naples, Florida
George J. Mason 1928, CE .....	Bloomfield
Carl E. Ehrenhardt 1930, EE .....	Terre Haute
Charles A. Lotze 1930, EE .....	Indianapolis
Harry J. Loving 1931, CH .....	Fostoria, Ohio
Kenneth Mason 1931, CH .....	Queensbury, New York
Frederick J. Bogardus 1932, ME .....	Pensacola, Florida
Myron J. Clark 1932, ME .....	Indianapolis
George T. Hauer 1932, ME .....	Munster
John V. Niemi 1932, EE .....	Clinton
Chester C. Stock 1932, CH .....	Pepper Pike, Ohio
John E. Tonetti 1932, ME .....	Rosedale
Robert A. Wilson 1932, CE .....	Albuquerque, New Mexico
Paul R. Dierdorf 1933, CH .....	Indianapolis
Donald H. Greenfield 1933, CE .....	Los Angeles, California
Dunlap J. McNair 1933, CH .....	Muncie
William Paton 1933, ME .....	Terre Haute
Col. Edwin J. Withers 1933, EE .....	Rockville, Maryland
Herbert A. McAninch 1934, ME .....	Auburn
A. J. Newsom 1934, ARCH .....	Indianapolis
John A. Ritter 1934, ME .....	Evansville
George F. Stark 1934, ME .....	Kansas City, Missouri
John A. Wilson 1934, ME .....	Merrillville
Albert L. Bard 1935, CE .....	Kansas City, Missouri
Claude C. Dierdorf 1935, ME .....	Speedway
Arthur W. Hess 1935, CE .....	Columbus, Ohio
Russell R. Kerr 1935, ARCH .....	Indianapolis
Jack F. Roberts 1936, EE .....	Zionsville
Donald E. McCullough 1937, EE .....	Riley
Charles F. Rich 1937, CH .....	Indianapolis
Carl R. Wischmeyer 1937, EE .....	Fair Haven, New Jersey
Richard E. Dennis 1938, ME .....	Terre Haute
Robert W. Dispennett 1938, CH .....	Chillicothe, Ohio
Robert N. Ladson 1939, CH .....	Tucson, Arizona
Roy E. Warren 1939, EE .....	Indianapolis
Richard A. Mullins 1940, CH .....	Princeton
Clarence A. Wilkinson 1940, EE .....	Terre Haute
Maj Gen John G. Appel 1941, CH .....	Churchville, Maryland
Paul E. France 1941, CH .....	Medford, Massachusetts
James A. Lohr 1941, ME .....	Martinsville
Ross S. Pyle 1941, ME .....	Indianapolis
William R. Ringo 1941, ME .....	Dayton, Ohio

## SCHOLARSHIP HONORS

Students graduating with a scholarship index of 3.90 or higher will be graduated *Summa Cum Laude*; those with a scholarship index between 3.60 and 3.90 will be graduated *Magna Cum Laude* and those with a scholarship index between 3.30 and 3.60 will be graduated *Cum Laude*. These honors are recognized by the display of gold Honor Cords at the Commencement ceremonies and in appropriate fashion on the diplomas.

*	<i>Cum Laude</i>	G	Technical Translators Program—German
**	<i>Magna Cum Laude</i>	R	Technical Translators Program—Russian
***	<i>Summa Cum Laude</i>	A	U.S. Army Commission
††	Two Degrees	AF	U.S. Air Force Commission
		C	Consulting Engineering Program
		M	Management Studies Certificate
			Master Thesis indicated in <i>Italics</i>

## THE ACADEMIC PROCESSION

In today's academic procession, the gown and hood indicate the degree held by the wearer. The hood is lined with the official color or colors of the college or university conferring the degree. Graduates of certain institutions wear gowns in the color of the university, although black is the basic color of the majority of academic gowns. The doctor's gown is faced down the front with velvet panels and has three velvet crossbars on each sleeve. The velvet may be black or may be the color which represents the field in which the degree was conferred.

### ***RHIT Bachelor's Degree Attire***

Rose-Hulman Institute of Technology Bachelor's degree holders or candidates wear a black gown and a black mortarboard with a black tassel.

### ***RHIT Master's Degree Attire***

Master's degree hoods for Rose-Hulman Institute of Technology are black, lined with rose satin and white satin chevron and edged in golden yellow velvet. With the gown and hood is worn a black mortarboard with black tassel.

# **Rose-Hulman Institute of Technology**

## **Candidates for Degrees**

### **Bachelor of Science**

**February 21, 1991**

#### **CHEMISTRY**

Jeffrey David Bruce ..... Benton, Arkansas

#### **CIVIL ENGINEERING**

Kevin Lee Knoepfel .....Paris, Illinois

#### **COMPUTER SCIENCE**

G\*\* Thomas Leon Bogle .....Dayton, Minnesota

#### **COMPUTER SCIENCE AND MATHEMATICS**

G\*\*\* Robert Gregory Burger .....LaPorte

#### **ELECTRICAL ENGINEERING**

William Proncy Acker IV .....Anniston, Alabama  
\*\* Mark Jeffrey Beals .....Kokomo  
C Brian Douglas Coate .....Kokomo  
\*\* Allen Lee Hall .....Lincoln, Nebraska  
\* Alan William Hardenburg .....Wharton, New Jersey  
\* Joel Edward Harris .....Yorktown, Virginia  
John Martin Meister .....Cheyenne, Wyoming  
\* Geoffrey Ryan Payne .....Plymouth  
Ricky Joseph Watson .....Madison

#### **MATHEMATICS**

\*\* Phillip W. Banet .....New Albany

**May 25, 1991**

#### **APPLIED OPTICS**

G\*\*\* David Martin Berfanger .....Indianapolis  
††\* Steven Michael Blair .....Crown Point  
\* Lawrence Howard Boxler .....Franklin  
Donald Ray Brewer .....Reeds Spring, Missouri  
Eric Brian Bube .....Georgetown  
\* Alexander Matthew Crespi .....Darien, Illinois  
Andrew Harrison Fagg .....Boonville  
Benjamin John Hickman .....Indianapolis  
Brent Aaron Lyons .....Kokomo  
Paul Francis Meyers .....Brookston  
Bartley David Millikan .....Tangier  
Martin Noel Moss, Jr. .....Little Rock, California  
\* Robert John Muenzenberger .....Sussex, Wisconsin  
Jay Alan Overbeck .....Liberty  
Brant James Potter .....Danville  
Eric Anthony Roth .....Hobart  
Matthew Irvine Savage .....Terre Haute

** Matthew Holmes Smith .....	Huntington
David Robert Strickland .....	Somerville
James David Walls .....	Terre Haute

#### CHEMICAL ENGINEERING

A* Clark Elbert Barthel .....	Elgin, Illinois
* Todd Ammon Brown .....	Wausau, Wisconsin
A Luke David Dickerson .....	Greenfield
* Howard Stevens Fischer .....	Fort Wayne
G Scott Michael Goedde .....	Haubstadt
Adam MacArthur Griner .....	New Castle
Jon Eric Guenin .....	La Fontaine
Daniel Brian Hall .....	Park Hills, Kentucky
Bryan Keith Haney .....	Marion
A Benjamin Lloyd Hastings .....	Boonville
Gregory Allen Hevron .....	Holland
G** Paul Jefferson Hinton .....	Seymour
Daniel Joseph Keown .....	Brownsburg
John Costain Knight III .....	Kalamazoo, Michigan
** Christopher Allen Lueking .....	Sullivan
Robert Joseph Mark, Jr. ....	Indianapolis
Darrell Eugene Marsh .....	Pittsboro
William Edwin Mills .....	Buckskin
Lonnie Franklin Moon .....	Fort Smith, Arkansas
Neal Eugene Rumsey .....	Orland
R Anthony Joseph Sachse .....	Anderson
** Mark Jerry Schuld .....	Bernardsville, New Jersey
A Reece Allen Scott .....	Rosedale
James Duane Sutton .....	Winamac
* Matthew Wayne VanHoosier .....	Chandler
G Steven Alan Vinson .....	Michigan City
Michael Louis Wetherell .....	Pana, Illinois
Steven Charles Wilhelmy .....	North Saint Paul, Minnesota
** Joseph Eugene Yenger .....	Stratford, Iowa

#### CHEMICAL ENGINEERING AND CHEMISTRY

A* Keith Evan Miller .....	Louisville, Kentucky
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#### CHEMISTRY

A* Charles Sherman Elmore .....	Thibodaux, Louisiana
Kent Lee McCorkle .....	Windfall
** Royce Allen Wilkinson .....	New Castle

#### CIVIL ENGINEERING

A Rodney Duane Adams .....	Lafayette
Joseph Alan Burkhart .....	Petersburg
Thomas Arthur Carrow .....	Laurel
David Charles Cleveland .....	Indianapolis
Timothy Paul Conarroe .....	Centerville
C Michael Thomas Crist .....	Granger
C* Nicholas Todd Gill .....	McArthur, Ohio
C Jerald Edgar Harris .....	Miamisburg, Ohio
Paul Richard Kimmerle .....	Jacksonville, North Carolina
** David Finley Maxwell .....	Granite City, Illinois
A James William Neal .....	Terre Haute
Steven Michael Niemann .....	Belleville, Illinois
Derek Russell Sharp .....	Townsend, Massachusetts



C	Richard J. Wilhelm .....	Oldenburg
	Luther Earl Wilkinson III .....	Terre Haute
	Jason Wendel Yeager .....	Tennysen

#### COMPUTER ENGINEERING

††*	Steven Michael Blair .....	Crown Point
	Anthony Charles Campiti .....	Plymouth
	Lyle David Carlson .....	Rochester Hills, Michigan
	Michael Wayne Moser .....	Onancock, Virginia
***	Eric William Paul .....	Mount Vernon
***	Mark Lee Skarpness .....	Milnor, North Dakota

#### COMPUTER SCIENCE

	Greg Alan Aimone .....	Riverdale, Illinois
	Michael Allan Brier .....	Liberty
	Steven Dewayne Brown .....	Fairmount
	Jerrod Troy Carter .....	Fort Wayne
A*	David Michael Fabritius .....	Olympia, Washington
G*	Cary Neil Gerber .....	Bluffton
	Thomas O'Neil McCormick .....	McConnelsville, Ohio
	Robert Christopher Pappas .....	Louisville, Kentucky
	Brian Robert Ruff .....	Walkerton
	Joseph Lindsey Sharpe III .....	Danville, Kentucky
*	Charles Richard Stroud .....	Orleans
**	Antonio Martin Zamora .....	Winter Haven, Florida

#### ELECTRICAL ENGINEERING

*	Paul Arturo Acevedo .....	Chesterton
	Michael Arthur Bergenthal .....	Greer, South Carolina
*	David Wayne Boroughs .....	Springdale, Arkansas
A	Kurt Frederick Breischaft .....	Kalamazoo, Michigan
*	Todd Elliott Butler .....	Evansville
	Francis Edward Camden .....	Franklin
	Carl Frederick Cole .....	Wisconsin Rapids, Wisconsin
	Daniel Jay Crisman .....	Rushville
	Philippe Marc deFaye .....	Seattle, Washington
	David Michael Devore .....	Coon Rapids, Minnesota
AF	Robert Allen DeYong .....	Peachtree City, Georgia
*	Kirk Ronald Eisert .....	Lanesville
**	Carl Douglas George .....	Wichita, Kansas
*	Kevin Arthur Grabowski .....	Garden City, Michigan
**	Garth Dean Grimm .....	West Bend, Iowa
*	Bryan Lynn Hahn .....	Goshen
**	Dan Eric Hasenwinkel .....	East Moline, Illinois
G	William Stuart Heinz .....	New Albany
G*	Thomas Herbert Henke .....	Rochester, Minnesota
	Robert Carter Hochstetler .....	Terre Haute
G*	Craig Michael Hoffart .....	Port Washington, Wisconsin
	Robert Steven Hoskins .....	Middeltown, Ohio
R	Scott Lewis House .....	Humble, Texas
*	Edward James Huonder .....	Montrose, Colorado
	John Andrew Huss .....	Cincinnati, Ohio
**	Daniel Brian Jambor .....	Saukville, Wisconsin
	John Gregory Jones .....	Elyria, Ohio
	Kevin John Koesters .....	Celina, Ohio
AF*	Brian Alan Lakstins .....	Indianapolis
A	Todd William Latterell .....	St. Cloud, Minnesota

	Claudio Martinez Marimon .....	Colorado Springs, Colorado
*	Joseph Ernest Matthews IV .....	Indianapolis
AF	Brian Joseph Miller .....	Wapakoneta, Ohio
	Christopher John Miller .....	Evansville
	Howard Edward Moore .....	Middletown
A*	Jeffrey Scott Morgan .....	Columbus, Ohio
AF	Matthew James Myers .....	Fairborn, Ohio
*	Terry Daniel Nebergall .....	Midland, Michigan
	Kent Alan Neier .....	Coatesville
	Anthony Carson New .....	Middletown
G**	Vincent Frederick Oswalt .....	Mitchell
	Jeffrey Scott Pahl .....	Arcadia, Wisconsin
	Kevin Scott Patterson .....	New Albany
	Douglas John Rosenberger .....	Brookville
***	John Edward Schmall .....	St. Paul, Minnesota
G**	Ronald S. Scott, Jr. ....	Dyer
R*	John William Stephens .....	Winslow
	Ahmed Syed .....	Karachi, Pakistan
*	Christian Chadd Taylor .....	Shoals
	Kevin James Token .....	St. Charles, Missouri
	Charles Robert Tommey .....	Parkersburg, West Virginia
R***	Paul Douglas Tougaw .....	St. Francisville, Illinois
	Steven Joseph VanZale .....	Medina, Ohio
	Lynn Vornheder .....	Aurora
*	James Morris Winkley II .....	Indianapolis
	Jeffrey Michael Woods .....	Coggon, Iowa
	Kevin Wayne Wyatt .....	Indianapolis

## MATHEMATICS

**	Jeffrey Scott Dierckman .....	Sunman
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## MECHANICAL ENGINEERING

	Clinton Jay Adams .....	Amenia, North Dakota
	Jason Dean Ahrens .....	Huntingburg
	Kurtis John Anliker .....	Chalmers
	Christopher David Arnold .....	Greencastle
	Robert Stanley Aronen .....	Virginia, Minnesota
	Marc Edward Bastian .....	Elwood
	William Mark Bates .....	Brooklyn, Ohio
	James Carl Blasdel .....	Georgetown
	Paul Joseph Boenitz .....	Noblesville
	Cevin Sean Bryant .....	Lorain, Ohio
*	Jeffrey Hammer Burns .....	New Castle
	Mark Stephen Christman .....	Charlestown
	Alejandro Francisco Correa .....	Huntingburg
*	Ralph LeRoy Coryea III .....	Spencer
	Shane Allen Cox .....	Farmland
*	John R. Cunningham IV .....	McDonald, Ohio
	Steven Win Dinsmore .....	Covington
	James Lawrence Elkin .....	Louisville, Kentucky
*	Michael Luiz Fagg .....	Madison, Ohio
**	Brett William Fathauer .....	Oakwood, Illinois
	Brian Charles Frazier .....	Elwood
	Michael Douglas Garau .....	Rushville
	Robert Eugene Getts .....	Fort Wayne
*	Neil Freeman Glaze .....	Carmel
	James Frederick Goodridge II .....	Evansville

	Gregory Matthew Hall .....	Morse Bluff, Nebraska
	Scott Allen Hiller .....	Crawfordsville
*	Jeffrey David Hulbert .....	Terre Haute
	Richard Todd Humphries.....	St. John
	Steven Lynn Jackson .....	Lawrenceburg
*	Robbe Max Johnson .....	Centerpoint
	Chris Ryan Kabrick .....	Oakland City
**	Matthew Jude Kintzele .....	Michigan City
	Eric Ronald Kissell .....	Alexandria, Ohio
	Michael Keith Kittle .....	Brazil
**	Kevin Lee Kluemper .....	Ferdinand
A*	Carl Walter Koehlinger .....	Willshire, Ohio
	Steven Harold Kottman .....	Cincinnati, Ohio
	John Michael Lacheta .....	Chicago Heights, Illinois
A	David Peter Leif .....	Greendale, Wisconsin
	Robert LeRoy Lind .....	Minnetonka, Minnesota
***	David Patrick Lockard .....	Akron, Ohio
	Todd Kevin Logan .....	Cincinnati, Ohio
	Duane Edward Long .....	Elnora
	Kevin Thomas Love .....	Cincinnati, Ohio
	Royce Frederick Low .....	Westport
G*	William Robert Lund .....	Miami, Florida
	Samuel Hingwing Mark .....	Indianapolis
	Ross David Maue .....	Buffalo, Minnesota
	William Leo McQuen .....	Gary
A	Trent David Meyers .....	Brazil
*	John Charles Minor .....	Cincinnati, Ohio
***	Trevor Michael Moeller .....	Batesville
**	John David Moore .....	Fountain City
***	Marc Richard Morris .....	Upper Sandusky, Ohio
	Jeffrey Charles Mullins .....	Hartford City
*	Christopher John Nordmeyer .....	Terre Haute
	Britt James Petty .....	Terre Haute
	Joel Richard Plaas.....	Lee's Summit, Missouri
	Daniel Joseph Pund .....	Ferdinand
	Douglas James Ream .....	Clay City
A*	Jeremy Andrew Rife .....	Dunkirk
AF*	David Judson Ridders .....	Ripon, Wisconsin
***	Paul David Rudolph .....	Logansport
**	David R. Sawyers, Jr. ....	Brownstown
**	Charles Edward Schaub .....	Marshall
	Robert Andrew Shea .....	Indianapolis
	Scott McIntyre Simmonds .....	Greensburg
	Craig Steven Stucky .....	White Bear Lake, Minnesota
M***	Steven Mitchell Taylor .....	Chesterton
	Eric Joseph Tucker .....	Floyds Knobs
	Jeffrey Carl Wagner.....	Washington
AF	Brian S. Walling .....	Milwaukee, Wisconsin
*	Brett Thomas Weinzapfel .....	Evansville
	Neil John Wessler .....	Greensburg
	Rodney Joe West .....	Liberty
	David Allen White .....	Eldorado, Ohio
	Norbert Gregory Yates .....	Farmersburg

#### MECHANICAL ENGINEERING AND MATHEMATICS

**	Calvin Cheuk Ming Lui .....	Hong Kong
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## PHYSICS

R***	Jeffrey John Adams .....	Kennebunk, Maine
	Wayne Joseph Bornio .....	Slidell, Louisiana
R*	Thomas Russel Giron .....	Mason, Michigan
*	Donald Robert Greiveldinger .....	Port Washington, Wisconsin
A	Matthew Hamish Lentzner .....	Livermore, California
	Alberto Brandt Lopez II .....	Indianapolis
G	Lance Stephen Reger .....	Anderson
R	Scott William Sprehn .....	Bangor, Wisconsin
*	Arthur Jerome Usher IV .....	Chicago, Illinois

# Master of Science

May 25, 1991

## APPLIED OPTICS

- Sami D. Al-Aruri .....Indianapolis  
    *"Studies of Wavelength-Dependent Loss Effects  
    in Optical Fiber Components and Sensors"*  
    Thesis Advisor: Professor Robert M. Bunch
- Glen Brown .....Evansville  
    *"Holographic Interferometric Study of the Human Cardiac System"*  
    Thesis Advisor: Professor Arthur B. Western
- Michael R.L. Coon .....Copperas Cove, Texas  
    *"Y-bar Diagram for Axial Gradients and Design of the Nonlens"*  
    Thesis Advisor: Professor Richard P. Ditteon
- Hung-yu Hsieh .....Tawain, R.O. China  
    *"A Lens for Microlithography"*  
    Thesis Advisor: Professor Jerome F. Wagner
- Erik Ivar Oldekop .....Heidenheim, F.R. Germany  
    *"Time-Integrating Self-Pumped Phase-Conjugator"*  
    Thesis Advisor: Professor Azad Siahmakoun
- Guanglu Yang .....Shanghai, P.R. China  
    *"Phase-Congjugate Shear-Interferometer"*  
    Thesis Advisor: Professor Azad Siahmakoun

## CIVIL ENGINEERING

- Khalil Ibrahim Hussein Dughaish .....Al-Jamil, Kuwait  
    *"Construction Engineering and Management  
    of a Construction Project"*

## ELECTRICAL ENGINEERING

- Robyn E. Bauer .....Bedford  
    *"Artificial Neural Networks Applied to Signal Classification"*  
    Thesis Advisor: Professor Ruth I. Waite
- Serge Ello .....Abidjon, Ivory Coast  
    *"Development of A Digital Speech Processing Tool Box"*  
    Thesis Advisor: Professor Keith E. Hoover
- Deng Fang .....Shanghai, P.R. China  
    *"Evaluation of Neural Networks in Character Recognition"*  
    Thesis Advisor: Professor Keith E. Hoover
- Ruo-Ju Guo .....Shanghai, P.R. China  
    *"An Improved Method for Adaptive Filtering and Real-Time  
    Implementation of Noise Cancellation Using the TMS32010"*  
    Thesis Advisor: Professor Keith E. Hoover
- Jingping Wang .....Beijing, P.R. China  
    *"Simulation of Power System Transient Stability"*  
    Thesis Advisor: Professor Clifford H. Grigg

## MECHANICAL ENGINEERING

- Larry J. Brackney .....Columbus  
    *"Simulation and Control of a Double-Inverted Pendulum System"*  
    Thesis Advisor: Professor David J. Purdy

- Aye Naing .....Gyogon, Burma  
*"The Development of Improved Methods for Determining  
Natural Frequencies of Non-Uniform Beams"*  
Thesis Advisor: Professor J. Darrell Gibson
- Myles M. Nakamura .....Honolulu, Hawaii  
*"Evaluation of a Non-Destructive Technique:  
Testing Steel Blocks for Sub-Surface Defects Using  
Heat Transfer and the Finite Element Method"*  
Thesis Advisor: Professor Daryl Logan
- Manfred Newrly .....Michelstadt, West Germany  
*"Modelling of Vascular Graft Hemodynamics"*  
Thesis Advisor: Professor Lee Waite
- Adam Scott Remaly .....Elkhart  
*"Wind Tunnel Wall Effects"*  
Thesis Advisor: Professor A.T. Roper
- Axel Justus Roenneke .....Freiburg, West Germany  
*"Trajectory Control for a Low-Lift Maneuverable Reentry Vehicle  
Using State Feedback"*  
Thesis Advisor: Professor Phillip J. Cornwell
- Peter Leo Schmidt .....Louisville, Kentucky  
*"Design and Evaluation of Modifications for  
Ram Air Turbine Wind Tunnel Noise Reduction"*  
Thesis Advisor: Professor J. Darrell Gibson
- Steven Anthony Whitaker .....Anderson  
*"The Development of a High Frequency Exciter  
for the Evaluation of the Levinson Beam Theory"*  
Thesis Advisor: Professor J. Darrell Gibson
- Da Yao .....Wuhan, P.R. China  
*"Measurement of Lactate Using an Enzyme Coupled  
Catheter Tip Electrode"*  
Thesis Advisor: Professor Lee Waite

# Bachelor of Science

## Summer Completion

### APPLIED OPTICS

Christopher David Colwell .....Fort Wayne

### CHEMICAL ENGINEERING

Steven Jay Susten .....Lilburn, Georgia

### CIVIL ENGINEERING

Glen Edward Morrow .....Bloomington

### ELECTRICAL ENGINEERING

Biao Louie .....Hong Kong

Russell Glen Sermersheim .....Jasper

Wilfred Shun Chi Wong .....Hong Kong

### MECHANICAL ENGINEERING

Eric Arlen Armstrong ..... Mooresville

Carlos Carrillo .....Monterrey, Mexico

Roshan Grigg .....Terre Haute

Michael Christopher Jones .....Loogootee

John Benjamin Maze .....West Harrison

Mark Allen Reed .....Fulton

### PHYSICS

A Christopher John Barron .....Goshen, New York

John Elliot Thompson .....Lexington, Kentucky

## November Completion

### CHEMICAL ENGINEERING

Ronald Brian Timm .....Fillmore

### CIVIL ENGINEERING

A David Michael Griffie .....Niles, Michigan

### COMPUTER SCIENCE

Ronald Matthew Adams .....Indianapolis

Michael Jon Allard .....Elk Grove Village, Illinois

### ELECTRICAL ENGINEERING

Michael Edward Eckert .....Huntingburg

Kenneth Gabriel Godwin .....Mundelein, Illinois

Alan Andrew Manche .....Knightstown

A Matthew Jay Murphy .....Troy, Ohio

## MATHEMATICS

††AF James Craig Westmoreland .....El Paso, Texas

## MECHANICAL ENGINEERING

Richard David Gamble .....Miami Springs, Illinois

Christopher King Gotwald .....Washington

Christopher John Lanker .....Canton, Michigan

Timothy Frederick Marling .....Indianapolis

Robert Edwin Scharf .....Millstadt, Illinois

George James Shumay .....North Olmsted, Ohio

James Arthur Thorp III .....Uniontown, Ohio

††AF James Craig Westmoreland .....El Paso, Texas

Robert Lee Williams .....Terre Haute



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